

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) In a messaging system ~~communicating a message between a client device and servers over a plurality of wireless networks, each of which is adapted to support one or more wireless network protocols, and wherein a web server communicates with the server[[,]]~~ a method for monitoring status of ~~the~~ a server with a remote monitor client[[s]], ~~the method comprising:~~

publishing a list of available servers to ~~the~~ said remote monitor client[[s]];

receiving servers selected from ~~the~~ said list of available servers from ~~the~~ said remote monitor client[[s]];

dynamically generating information about ~~the~~ said selected servers with ~~the~~ a web server; and

providing ~~the~~ said dynamically generated information from ~~the~~ said web server to ~~the~~ said remote monitor client[[s]];

providing said dynamically generated information from said remote monitoring client to a protocol gateway.

2. (currently amended) The method according to claim 1, further comprising:

retrieving ~~the~~ said list of available servers from a database with ~~the~~ said web server.

3. (currently amended) The method according to claim 2, wherein:
~~the~~ said database is a message router database.

4. (currently amended) The method according to claim 1, wherein the dynamically generating step comprises:

examining a cache of ~~the~~ said web server for ~~the~~ said information;
and

~~if the information is not present in the cache[[,]]~~ retrieving the said information from the said selected server and storing the said information in the said cache if ~~the~~ said information is not present in the said cache.

5. (currently amended) The method according to claim 1, further comprising: [[,]]

receiving a request for selected information from the said selected servers.

6. (currently amended) The method according to claim 5, wherein:
the said dynamically generated information is the said selected information.

7. (currently amended) The method according to claim 1, further comprising:

determining an access level of the said remote monitor client to receive information; and

providing only information corresponding to the said access level to the said remote monitor client.

8. (currently amended) The method according to claim 7, wherein the determining step comprises:

issuing the said remote monitor client a digital certificate;
associating the said digital certificate with the said access level;
and

examining the said digital certificate.

9. (currently amended) The method according to claim 1, wherein:
the said dynamically generated information is provided as an XML
page.

10. (currently amended) The method according to claim 1, wherein:
the said list of available servers is provided as an XML page.

11. (currently amended) The method according to claim 1, wherein:
the said dynamically generated information includes at least one of
logging and status information.

12. (currently amended) The method according to claim 1, wherein:
the said web server and said remote monitor client communicate
over a network utilizing HTTP-S.

13. (currently amended) The method according to claim 7, wherein:
the said list of available servers only includes servers a particular
remote monitor client is authorized to view.

14. (currently amended) The method according to claim 1, wherein:
the said servers and the said web server communicate utilizing
HTTP.

15. (currently amended) The method according to claim 14,
wherein:
the said dynamically generating step comprises issuing a get
command from the said web server to the said servers to obtain the said
information.

16. (currently amended) The method according to claim 15, further comprising: ~~[[,]]~~

~~in response to the get command~~ ~~[[,]]~~ providing an XML page including ~~the~~ said information to ~~the~~ said web server from ~~the~~ said servers in response to said get command.

17. (currently amended) The method according to claim 16, further comprising:

generating an XML page containing ~~the~~ said selected information at ~~the~~ said server.

18. (currently amended) The method according to claim 1, wherein:
~~the~~ said servers include at least one of a protocol gateway, a message router ~~[[,]]~~ and a back-end server.

19. (currently amended) The method according to claim 5, wherein:
~~the~~ said receiving step comprises receiving from ~~the~~ said remote monitor client a get command for ~~the~~ said information at ~~the~~ said web server.

20. (currently amended) In a messaging system ~~communicating a message between a client device and servers over a plurality of wireless networks, each of which is adapted to support one or more wireless network protocols, and wherein a web server communicates with the servers[[,]]~~ a method for monitoring status of the servers with a remote monitor client[[s]], comprising:

receiving a list of available servers at the said remote monitor client from the a web server;

~~selecting servers from the list of available servers;~~

transmitting a list of selected servers from the said remote monitor client to the said web server; and

receiving information about the said selected servers at the said remote monitor client from the said web server;

transmitting said information about said selected servers from said remote monitor client to a protocol gateway.

21. The method according to claim 20, further comprising:

displaying the said information at the said remote monitor client with a browser.

22. (currently amended) The method according to claim 21, further comprising:

displaying information from more than one server[[s]] simultaneously with the said browser.

23. (currently amended) The method according to claim 20, wherein:

the said information is received as an XML page.

24. The method according to claim 23, further comprising:

parsing the said XML page with a parser to obtain selected information.

25. (currently amended) The method according to claim 20, wherein:

the said list of available servers is received as an XML page.

26. (currently amended) The method according to claim 20, wherein:

the said information includes at least one of logging and status information.

27. (currently amended) The method according to claim 20, wherein:

the said web server and remote monitor client communicate over a network utilizing HTTP-S.

28. (currently amended) The method according to claim 20, wherein:

the said list of available servers only includes servers a particular remote monitor client is authorized to view.

29. (currently amended) The method according to claim 20, further comprising:

requesting specific information about the said selected servers from the said web server.

30. (currently amended) The method according to claim 29, wherein the requesting step comprises:

issuing a get command from the said remote monitor client to the said web server to obtain the said specific information.

31. (currently amended) The method according to claim 30, further comprising: [[,]]

~~in response to the get command~~ providing an XML page including the said specific information from the said web server to the said remote monitor client in response to said get command.

32. (currently amended) The method according to claim 20, wherein:

the said servers include at least one of a protocol gateway, a message router, and a back-end server.

33. (currently amended) A remote monitoring system, comprising:
a client device;

a server having stored therein a server application[[,]] ~~which is~~ adapted to be executed by the said server;

~~a plurality of wireless networks, each of which is adapted to:
communicate messages between the client device and the server; and support
one or more wireless network protocols;~~

a protocol gateway encapsulating a fundamental network protocol, ~~which~~ said fundamental network protocol underlies each of the one or more wireless network protocols;

at least one message router for routing the said message between the said protocol gateway and the said server; and

means for providing status and logging information ~~from~~ for at least one of the said server, a protocol gateway, and a message router to a remote monitor client; and

a remote monitor client to provide said status and logging information to said protocol gateway.

34. (currently amended) The system of claim 33, wherein:
the said means for providing information comprises at least one web server communicating with the said remote monitor client and at least one of the said server, the said protocol gateway, and the said message router.

35. (currently amended) The system of claim 34, wherein:
the said web server further comprises means for compiling a list of available servers, protocol gateways, and message routers and providing the said list to the said remote monitor client.

36. (currently amended) The system of claim 35, further comprising:
means for gathering requested information from at least one of the said server, protocol gateway, and message router and providing the said requested information to the said remote monitor client.

37. (currently amended) The system of claim 33, wherein:
the said information is provided to the said remote monitor client as an XML page.

38. (currently amended) The system of claim 35, wherein:
the said list is provided to the said remote monitor client as an XML page.

39. (currently amended) The system of claim 33, wherein:
communication between the said web server and the said server, the said protocol gateway, and the said message router is performed using HTTP.

40. (currently amended) The system of claim 33, wherein:
communication between the said web server and the said remote monitor client is performed using HTTP-S.

41. (currently amended) ~~In a A communications system including a server, which is adapted to run a server application, a plurality of message routers, each of which is coupled to the server, a plurality of protocol gateways, each of which is coupled to each one of the plurality of message routers, a wireless network, which is adapted to couple the server, through one or more of the plurality of message routers and one or more of the plurality of protocol gateways, to a plurality of client devices, and a web server communicating with the server, the protocol gateways, and the message routers, a computer useable information storage medium storing computer readable program code, means for causing a computer to perform comprising the steps of:~~

publishing a list of available servers to the a remote monitor client[[s]];

receiving selected servers from the said remote monitor client[[s]];

dynamically generating information about the said selected servers with the said web server; and

providing the said dynamically generated information from the said web server to the said remote monitor clients;

providing said dynamically generated information from said remote monitoring client to said protocol gateway.

42. (currently amended) The [[a]] computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:

retrieving the said list of available servers from a database with the said web server.

43. (currently amended) The ~~[[a]]~~ computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:

examining a cache of ~~the~~ said web server for ~~the~~ said information;
and

~~if the information is not present in the cache~~~~[[,]]~~ retrieving the said information from the said selected server and storing the information in the said cache if the information is not present in the cache.

44. (currently amended) The ~~[[a]]~~ computer useable information storage medium according to claim 41, further comprising computer readable program code means for causing a computer to perform the steps of:

determining an access level of the said remote monitor client to receive information; and

providing only information corresponding to ~~the~~ said access level to the said remote monitor client.